WACKER SILICONES

Material Safety Data Sheet

Material: 10002956 Paste AP

Version: 1.2 (US) Date of print: 08/04/2006 Date of last alteration: 04/27/2004

1 Product and company identification

1.1 Identification of the substance or preparation:

Commercial product name: Paste AP SAMPLE
Use of substance / preparation: Industrial.
Auxiliary agent for: electronic , Coating .

1.2 Company/undertaking identification:

Manufacturer/distributor:
Wacker Chemical Corporation
3301 Sutton Road
Adrian, MI 49221-9397
USA

Customer information:
Customer Care Center:
Tel (517) 264-8240, Fax (517) 264-8740
Hours of operation:
Monday - Friday, 8 am to 5 pm (eastern standard time)
Corporate website www.wackersilicones.com

Emergency telephone no. (24h): (517) 264-8500
Transportation emergency: (800) 424-9300 (CHEMTREC, USA)
(703) 527-3887 (CHEMTREC, international)
(613) 996-6666 (CANUTEC, Canada)

This MSDS was prepared by the Regulatory Affairs and Product Safety Department (RAPS) of Wacker Chemical Corporation.

2 Composition/information on ingredients

2.1 Chemical characterization (preparation):

Chemical characteristics
Polymethylphenylsiloxane + filler

2.2 Information on ingredients:

This material does not contain any hazardous substances at or above OSHA and WHMIS reportable levels.

Substances listed in the Subsections HAPS and California Proposition 65 Carcinogens / Reproductive Toxins that are not listed in Section 2 are only present at quantities below 0.1% or they are inextricably bound in the product.

3 Hazards identification

3.1 Hazards classifications

HMIS® rating (product as packaged):
Health: 1 Fire: 1 Reactivity: 0 PPE: B

Hazardous Materials Identification System and HMIS are registered trademarks of the National Paint and Coatings Association. (HMIS codes are based on contact with the product as packaged and any hydrolysis by-products, if present.)

Canadian WHMIS Classification: None.

3.2 Emergency overview and potential hazards

This material is not hazardous under OSHA criteria. This material is not hazardous under WHMIS criteria.

Physical Hazards:
No known physical hazards.

Acute health effects
Route of entry or possible contact:
eyes , skin , ingestion
Eye contact:
May cause slight eye irritation.
Skin contact:
No acute toxic effects are expected.
Inhalation:
Not expected due to high viscosity.
Ingestion:
Not expected in industrial use.
Addtional information on acute health effects:
none

3.3 **Further information:**
Chronic health effects:
No known or expected chronic health effects.
Medical conditions which may be aggravated by exposure:
unknown
Carcinogens/Reproductive toxins:
There are no carcinogenic ingredients present at or over 0.1% in this material. This material does not contain any reproductive toxins at or above OSHA or WHMIS reportable levels.

See Section 11 for Toxicological Information, if any.

4 First-aid measures

4.1 **General information:**
Get medical attention if irritation occurs or if breathing becomes difficult.
4.2 **After inhalation:**
No special measures required.
4.3 **After contact with the skin:**
Remove material with a waterless skin cleaner from skin and clothing. Wash then with plenty of water or water and soap.
4.4 **After contact with the eyes:**
If contact with eyes, immediately flush eyes with plenty of water.
4.5 **After swallowing:**
No special measures required. Get medical attention if symptoms occur. Show label if possible.

5 Fire-fighting measures

5.1 **Flammable properties:** **Method**
Flash point.....: not applicable
Lower explosion limit (LEL).....: not applicable
Upper explosion limit (UEL).....: not applicable
Ignition temperature .....: > 400 °C (> 752 °F)
5.2 **Fire and explosion hazards:**
This material does not present any unusual fire or explosion hazards.
5.3 **Recommended extinguishing media:**
water-spray , carbon dioxide , dry chemical or alcohol-resistant foam .
5.4 **Unsuitable extinguishing media:**
none known
5.5 **Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:**
Hazardous combustion products: benzene , carbon dioxide , carbon monoxide , formaldehyde , silicon dioxide and incompletely burnt hydrocarbons .

5.6 **Fire fighting procedures:**
Fire fighters should wear full protective clothing including a self-contained breathing apparatus.

6 Accidental release measures

6.1 **Precautions:**
If material is released indicate risk of slipping.
HAZWOPER PPE Level: D

6.2 **Containment:**
Prevent material from entering sewers or surface waters.
Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.

6.3 **Methods for cleaning up:**
Take up mechanically and dispose of according to local/state/federal regulations. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner.

7 Handling and storage

7.1 **Handling**
Precautions for safe handling:
Spilled substance increases risk of slipping.
Precautions against fire and explosion:
No special precautions against fire and explosion required.

7.2 **Storage**
Conditions for storage rooms and vessels:
none known
Advice for storage of incompatible materials:
not applicable
Further information for storage:
Keep container tightly closed.

8 Exposure controls and personal protection

8.1 **Engineering controls**
Ventilation:
Use with adequate ventilation.
Local exhaust:
not necessary

8.2 **Associate substances with specific control parameters such as limit values**
none known .

8.3 **Personal protection equipment (PPE)**
Respiratory protection:
not necessary
Hand protection:
not necessary
Eye protection:
Recommendation: chemical safety goggles .
Other protective clothing or equipment:
not necessary

8.4 **General hygiene and protection measures:**
Do not eat or drink when handling. Wash thoroughly after handling.

9 Physical and chemical properties

9.1 Appearance

Physical state / form.....: paste
Colour.....: opaque
Odour.....: odourless

9.2 Safety parameters **Method**

Melting point / melting range.....: not applicable
Flash point.....: not applicable
Ignition temperature .....: > 400 °C (> 752 °F)
Lower explosion limit (LEL).....: not applicable
Upper explosion limit (UEL).....: not applicable
Vapour pressure.....: < 3 hPa at 20 °C (68 °F)
Density.....: approx. 1.02 g/cm3 at 25 °C (77 °F)
Water solubility / miscibility.....: virtually insoluble
pH-Value.....: not applicable
Viscosity (dynamic).....: not applicable

9.3 Further information

Thermal decomposition.....: > 250 °C (> 482 °F)

10 Stability and reactivity

10.0 General information:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

10.1 Conditions to avoid:

none known

10.2 Materials to avoid:

none known

10.3 Hazardous decomposition products:

If stored and handled in accordance with standard industrial practices and local regulations where applicable: none known . Measurements have shown the formation of small amounts of benzene at temperatures above about 180 °C (356 °F). Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

10.4 Further information:

Hazardous polymerization cannot occur.

11 Toxicological information

11.1 General information:

Toxicological testing has not been conducted with this material.

12 Ecological information

12.1 Information on elimination (persistence and degradability)

Biodegradation / further information:

Biologically not degradable.

Further information:

Insoluble in water.

12.2 Behaviour in environmental compartments

Mobility

Insoluble in water.

Further information:

Bioaccumulation is not expected to occur.

12.3 Ecotoxicological effects:

According to past experience toxicity to fish is improbable.

Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):

According to current knowledge adverse effects on water purification plants are not expected.

12.4 Further ecological information

Other harmful effects

-

General information:

No environmental problems expected if handled and treated in accordance with standard industrial practices and local regulations where applicable.

13 Disposal considerations

13.1 Product disposal

Recommendation:

Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.

13.2 Packaging diposal

Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

14 Transport information

14.1 US DOT & CANADA TDG SURFACE

Valuation.....: Not regulated for transport

14.2 Transport by sea IMDG-Code

Valuation.....: Not regulated for transport

Marine Pollutant.....: no

14.3 Air transport ICAO-TI/IATA-DGR

Valuation.....: Not regulated for transport

15 Regulatory information

15.1 U.S. Federal regulations

TSCA inventory status and TSCA information:

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

TSCA 12(b) Export Notification:

This material does not contain any TSCA 12(b) regulated chemicals.

CERCLA Regulated Chemicals:

This material does not contain any CERCLA regulated chemicals.

SARA 302 EHS Chemicals:

This material does not contain any SARA extremely hazardous substances.

SARA 311/312 Hazard Class:

This product does not present any SARA 311/312 hazards.

SARA 313 Chemicals:

This material does not contain any SARA 313 chemicals above de minimus levels.

HAPS:

67-56-1 Methanol

15.2 U.S. State regulations

California Proposition 65 Carcinogens:
This material does not contain any chemicals known to the state of California to cause cancer.

California Proposition 65 Reproductive Toxins:
This material does not contain any chemicals known to the state of California to cause reproductive effects.

Massachusetts Substance List:
This material contains no listed components.

New Jersey Right-to-Know Hazardous Substance List:
This material contains no listed components.

Pennsylvania Right-to-Know Hazardous Substance List:
This material contains no listed components.

15.3 Canadian regulations

This product has been classified in accordance with the Hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS Hazard Classes:
None.

DSL Status:
This material or its components are listed on the Canadian Domestic Substances List.

Non-DSL Chemicals:
This material does not contain any non-DSL chemicals.

Canadian Ingredient Disclosure List:
This material contains no listed components.

15.4 Other international regulations

EU Risk Phrases:

R-Phrase	Description
R-	-

EU Safety Phrases:

S-Phrase	Description
S-	-

Details of international registration status
Listed on the following inventories:
IECSC - China
EINECS - Europe
PICCS - Philippines
ENCS - Japan
ECL - Korea
AICS - Australia

16 Other information

16.1 Additional information:

This Material Safety Data Sheet (MSDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR. This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied,

is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents. This MSDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.

16.2 Glossary of Terms:

ACGIH - American Conference of Governmental Industrial Hygienists
DOT - Department of Transportation
hPa - Hectopascals
mPa*s - Milli Pascal-Seconds
OSHA - Occupational Safety and Health Administration
PEL - Permissible Exposure Limit
ppm - Parts per Million
SARA - Superfund Amendments and Reauthorization Act
STEL - Short Term Exposure Limit
TSCA - Toxic Substances Control Act
TWA - Time Weighted Average
WHMIS - Canadian Workplace Hazardous Materials Identification System

Flash point determination methods	Common name
ASTM D56	Tagliabue (Tag) closed cup
ASTM D92, DIN 51376, ISO 2592	Cleveland open cup
ASTM D93, DIN 51758, ISO 2719	Pensky-Martens closed cup
ASTM D3278, DIN 55680, ISO 3679	Setaflash or Rapid closed cup
DIN 51755	Abel-Pensky closed cup

16.3 Conversion table:

Pressure: 1 hPa * 0.75 = 1 mm Hg = 1 Torr; 1 bar = 1000 hPa
Viscosity: 1 mPa*s = 1 Centipoise (Cp)